

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of
Annette GILCHRIST, et al.

Serial No. 09/852,910

Filed: May 11, 2001

For: METHOD FOR IDENTIFYING
INHIBITORS OF G PROTEIN
COUPLED RECEPTOR
SIGNALING

Examiner: Teresa D. Wessendorf

Group Art Unit: 1639

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231


Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants submit herewith copies of the following publications that the Office may wish to consider in examination of the subject application. The publications are also listed on the attached form PTO-1449. A copy of an International Search Report from a related PCT application also is enclosed for your information.

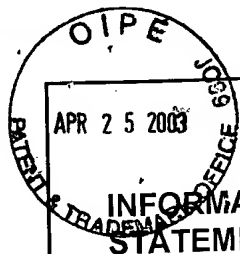
This Information Disclosure Statement is being submitted prior to issuance of a first Office Action on the merits, and therefore, no certification or fee is required. However, should the Office deem a fee due, the Commissioner is authorized to charge any fees to Deposit Account No. 02-2135. An additional copy of this document is enclosed for that purpose.

Respectfully submitted,

By


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Enclosure(s):
PTO-1449 Form & References
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Complete if Known

Application Number	09/852,910
Filing Date	May 11, 2001
First Named Inventor	Annette GILCHRIST, et al.
Group Art Unit	1639
Examiner Name	Teresa D. Wessendorf
Attorney Docket Number	2661-101

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	AA	6,184,223		Kahn et al.	Feb. 6, 2001
	AB	6,087,186		Cargill et al.	Jul. 11, 2000
	AC	5,880,972		Horlbeck	Mar. 9, 1999

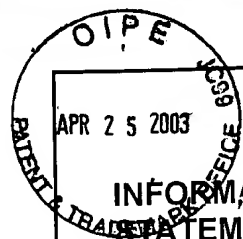
FOREIGN PATENT DOCUMENTS

Examine r Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.



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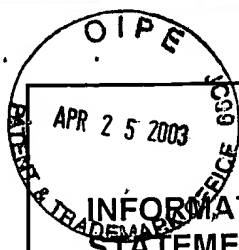
Attorney Docket Number 2661-101

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AD	Jones, Philip G., et al., "Non-Binding Site Modulation of G Protein-Coupled Receptor Signalling," <u>Exp. Opin. Ther. Patents</u> 9(12):1641-1654, 1999.	
	AE	Stephen W. Edwards, et al., "Localization of G-Protein-Coupled Receptors in Health and Disease," <u>TIPS</u> 21: 304-308, August 2000.	
	AF	Shahab A. Akhter, et al., "Targeting the Receptor-G _q Interface to Inhibit in Vivo Pressure Overload Myocardial Hypertrophy," <u>Science</u> , 280: 574-577, April 24, 1998.	
	AG	Thomas Carell, et al., "New Promise in Combinatorial Chemistry: Synthesis, Characterization, and Screening of Small-Molecule Libraries in Solution," <u>Chemistry & Biology</u> 2: 171-183, March 1995.	
	AH	Mark A. Wall, et al. "The Structure of the G Protein Heterotrimer G _{α1β1γ2} ", <u>Cell</u> 83: 1047-1058, December 15, 1995.	
	AI	David E. Coleman, et al., "Structures of Active Conformations of G _{α1} and the Mechanism of GTP Hydrolysis," <u>Science</u> 265: 1405-1412, September 2, 1994.	
	AJ	Chad A. Ellis, et al., "Thrombin Induces Proteinase-Activated Receptor-1 Gene Expression in Endothelial Cells Via Activation of G _i -Linked Ras/Mitogen-Activated Protein Kinase Pathway," <u>J. of Biol. Chem.</u> , 274 (19): 13718-13727, May 7, 1999.	
	AK	Bo Yu, et al. "Inhibition of Subsets of G Protein-Coupled Receptors By Empty Mutants of G Protein α Subunits in G ₀ , G ₁₁ , and G ₁₆ ," <u>J. of Biol. Chem.</u> , 275 (1): 71-76, January 7, 2000.	
	AL	Bo Yu, et al., "Interaction of the Xanthine Nucleotide Binding Goα Mutant With G Protein-Coupled Receptors," <u>J. of Biol. Chem.</u> 273(46): 30183-30188, November 13, 1998.	
	AM	Jie Liu, et al., "Identification of a Receptor/G-Protein Contact Site Critical for Signaling Specificity and G-Protein Activation," <u>Proc. Natl. Acad. Sci. USA</u> 92: 11642-11646, December 1995.	
	AN	Grigory Krapivinsky, et al., "G _{βγ} Binding to GIRK4 Subunit Is Critical for G Protein-Gated K ⁺ Channel Activation," <u>J. of Biol. Chem.</u> 273(27): 16946-16952, July 3, 1998.	
	AO	Grigory Krapivinsky, et al. "G _{βγ} Binding to GIRK4 Subunit Is Critical for G Protein-Gated K ⁺ Channel, I _{KACH} ," <u>J. of Biol. Chem.</u> 270(49): 29059-29062, December 8, 1995.	
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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AP	Lutz F. Tietze, et al., "Domino Reactions for Library Synthesis of Small Molecules in Combinatorial Chemistry," <u>Curr. Opin. in Chem. Biol.</u> 2: 363-371, 1998.	
	AQ	Margaret O. Sowell, et al., "Targeted Inactivation of α_2 or α_3 Disrupts Activation of the Cardiac Muscarinic K ⁺ Channel, I _{K+ACh} , in Intact Cells," <u>Proc. Natl. Acad. Sci. USA</u> 94: 7921-7926, July 1997.	
	AR	Heidi E. Hamm, "The Many Faces of G Protein Signaling," <u>J. of Biol. Chem.</u> 273(2): 669-672, January 9, 1998.	
	AS	C. Höller, et al., "G Proteins As Drug Targets," <u>Cell. Mol. Life Sci.</u> 55: 257-270, 1999.	
	AT	Peter J. Schatz, et al., "Screening of Peptide Libraries Linked to Lac Repressor," <u>Methods in Enzymology</u> 267: 171-191, 1996.	

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